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CENTRAL INTELLIGENCE AGENCY

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INFORMATION REPORT

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THIS IS UNEVALUATED INFORMATION

1. the general trend in research and development of cathode-ray tubes by the Soviets 50X1-HUM

The trend is to copy USA cathode-ray tubes as they are the best in the opinion of the Soviets.

2. the coating inside of the Soviet cathode-ray tube peeled, whereas the USA type did not.

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3.

4.

in cathode-ray tubes the Soviets are having the same trouble with the glass as the Germans had at OSW, Berlin. To obtain a glass that is free of tension requires much experience which the Soviets lack. A German named RIEDEL was abducted from a jail in Czechoslovakia during 1945 and taken to Fryazino to teach the Soviets how to improve the glass. He was confined in isolation on some island in the Volga River. He was removed from Fryazino in 1948, and then disappeared. He may possibly be in Siberia. It is thought he may have been in disfavor

5.

In Poland there are very few top level scientists in the field of electronics. There are also very few engineers of average caliber. Present training stresses imitation. 50X1-HUM

6.

Soviet strength seems to be in the systematization of problems. Its weakness arises when the problem needs solution: this they cannot do.

The iconoscope being developed in Adlershof OSW is a poor imitation of the RCA types.

7.

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8. [redacted]

[redacted] In Adlershof (1952) cerium (firestone) used by the Weisswasser company in the production of projection tubes (high voltage) is in short supply. This material prevents the blackening of the tube due to X rays caused by the high voltage in the cathode-ray tube.

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9. [redacted]

[redacted] the research development work was also dependent upon norms, because development of [redacted] studio equipment was supposed to be completed by a certain date.

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